

# Mohammad Sayyafzadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

532  
citations

840776

11  
h-index

677142

22  
g-index

39  
all docs

39  
docs citations

39  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of maceral composition and coal rank on gas diffusion in Australian coals. <i>International Journal of Coal Geology</i> , 2017, 173, 65-75.	5.0	102
2	Infill well placement optimization in coal bed methane reservoirs using genetic algorithm. <i>Fuel</i> , 2013, 111, 248-258.	6.4	56
3	Investigation of varying-composition gas injection for coalbed methane recovery enhancement: A simulation-based study. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1205-1212.	4.4	54
4	Reducing the computation time of well placement optimisation problems using self-adaptive metamodelling. <i>Journal of Petroleum Science and Engineering</i> , 2017, 151, 143-158.	4.2	41
5	Optimisation of gas mixture injection for enhanced coalbed methane recovery using a parallel genetic algorithm. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 942-953.	4.4	39
6	Investigating the relative impact of key reservoir parameters on performance of coalbed methane reservoirs by an efficient statistical approach. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 53, 416-428.	4.4	26
7	Identification of potential locations for well placement in developed coalbed methane reservoirs. <i>International Journal of Coal Geology</i> , 2014, 131, 250-262.	5.0	22
8	Regularization in History Matching Using Multi-Objective Genetic Algorithm and Bayesian Framework. , 2012, , .		21
9	Evolution strategy algorithm in well placement, trajectory, control and joint optimisation. <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 1042-1058.	4.2	18
10	A fractal approach for surface roughness analysis of laboratory hydraulic fracture. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 85, 103703.	4.4	18
11	Application of transfer functions to model water injection in hydrocarbon reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2011, 78, 139-148.	4.2	16
12	An accelerated gradient algorithm for well control optimization. <i>Journal of Petroleum Science and Engineering</i> , 2020, 190, 106872.	4.2	13
13	Analytical modelling of coal failure in coal seam gas reservoirs in different stress regimes. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 128, 104259.	5.8	12
14	Effect of matrix shrinkage on wellbore stresses in coal seam gas: An example from Bowen Basin, east Australia. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 77, 103280.	4.4	11
15	A Self-Adaptive Surrogate-Assisted Evolutionary Algorithm for Well Placement Optimization Problems. , 2015, , .		8
16	Well controls and placement optimisation using response-fed and judgement-aided parameterisation: Olympus optimisation challenge. <i>Computational Geosciences</i> , 2020, 24, 2001-2025.	2.4	8
17	Stress distribution and permeability modelling in coalbed methane reservoirs by considering desorption radius expansion. <i>Fuel</i> , 2021, 289, 119951.	6.4	8
18	Low permeability coal seam gas productivity enhancement by cyclic nitrogen injection technique (an)		8

#	ARTICLE	IF	CITATIONS
19	Pressure and rate transient analysis of artificially lifted drawdown tests using cyclic Pump Off Controllers. Journal of Petroleum Science and Engineering, 2016, 139, 240-253.	4.2	7
20	Enhanced Gas Recovery Techniques From Coalbed Methane Reservoirs. , 2018, , 233-268.		7
21	History Matching by Online Metamodeling. , 2015, , .		6
22	An adaptive moment estimation framework for well placement optimization. Computational Geosciences, 0, , 1.	2.4	6
23	Stress and permeability modelling in depleted coal seams during CO2 storage. Fuel, 2022, 325, 124958.	6.4	4
24	A Novel Method to Model Water-Flooding via Transfer Function Approach. , 2011, , .		3
25	An experimental investigation into surface roughness of a hydraulic fracture. APPEA Journal, 2018, 58, 728.	0.2	3
26	Bilevel Optimization of Well Placement and Control Settings Assisted by Capacitance-Resistance Models. SPE Journal, 2022, , 1-20.	3.1	3
27	Reservoir characterisation using artificial bee colony optimisation. APPEA Journal, 2012, 52, 115.	0.2	2
28	Adaptive Rank-Based Selection of Geological Realizations for Optimum Field Development Planning. SPE Journal, 2022, , 1-18.	3.1	2
29	A study of simulation-based surrogates in well-placement optimization for hydrocarbon production. Journal of Petroleum Science and Engineering, 2022, , 110639.	4.2	2
30	A New Method to Forecast Reservoir Performance during Immiscible and Miscible Gas-Flooding via Transfer Functions Approach. , 2011, , .		1
31	Rock typing and facies identification using fractal theory and conventional petrophysical logs. APPEA Journal, 2018, 58, 102.	0.2	1
32	Productivity determination for cyclic production using steady state harmonic theory “ Application to artificial lift wells. Journal of Petroleum Science and Engineering, 2019, 172, 787-805.	4.2	1
33	Analytical Rate-Transient Analysis and Production Performance of Waterflooded Fields with Delayed Injection Support. SPE Reservoir Evaluation and Engineering, 2021, , 1-23.	1.8	1
34	Optimisation and economical evaluation of infill drilling in CSG reservoirs using a multi-objective genetic algorithm. APPEA Journal, 2013, 53, 381.	0.2	1
35	A Cooper Basin simulation study of flow-back after hydraulic fracturing in tight gas wells. APPEA Journal, 2016, 56, 369.	0.2	1
36	High-Resolution Reservoir Modeling Using Image Fusion Technique in History Matching Problems. , 2013, , .		0

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37	A Fast Simulator for Hydrocarbon Reservoirs During Gas Injection. Petroleum Science and Technology, 2014, 32, 2434-2442.	1.5	0
38	Pressure-Transient Analysis for Cold-Water Injection into a Reservoir Coupled with Wellbore-Transient-Temperature Effects. SPE Production and Operations, 2021, 36, 197-215.	0.6	0
39	An assessment of different model-management techniques in history-matching problems for reservoir modelling. APPEA Journal, 2013, 53, 391.	0.2	0